

ABZ INNOVATION

EUROPEAN MADE HEAVY-DUTY ACTION DRONES



**ABZ
INNOVATION**
WE BUILD DRONES.

Talking points



-  About ABZ Innovation
-  Our products
-  Spraying drones
-  Use cases
-  Shading
-  Cleaning
-  Summary

About us

- Heavy-duty action drones
- Optimizing workflows
- Spraying, fertilizing , seeding, delivery, fire fighting and industrial cleaning
- European made quality
- Fast, efficient and precise drone solutions
- Agricultural & industrial operations



ABZ products

L-Series



S-Series



M-Series



C-Series



Precision spraying: less water, less waste, more results



L30 V2

- Up to 21 ha/hours
- Up to **2,4 ha** in one take-off
- Operation cost: ~**1,2 EUR/ha**
- Can be transported in a pick-up
- Advanced flight planning
- Multi-beam LiDAR based obstacle detection
- Working width: 5-10 meters
- Maximum liquid flow: 16 liters/min
- Made in EU, CE certified
- Can be equipped with a granule spreader



L10 V2



-  10 ha/hours
-  Operating cost: **~0,6 EUR/ha**
-  Portable and cost efficient
-  Advanced flight planning
-  Working Width: 1,5 - 6 meters
-  Minimal drift
-  Maximum liquid flow: 5 liters/minute
-  Made in the EU, CE certification
-  Trichogramma

Advanced Planning For Custom Spraying

 AdvancedEditor


Center


SHP


Waypoint


Return



 25 m

Mission

Hold

0

secs

☒

Flight Speed

5.0

m/s

Set Servos

Set ABZ command

☒

Append ABZ command

Payload

Sprayer

Turn it

On

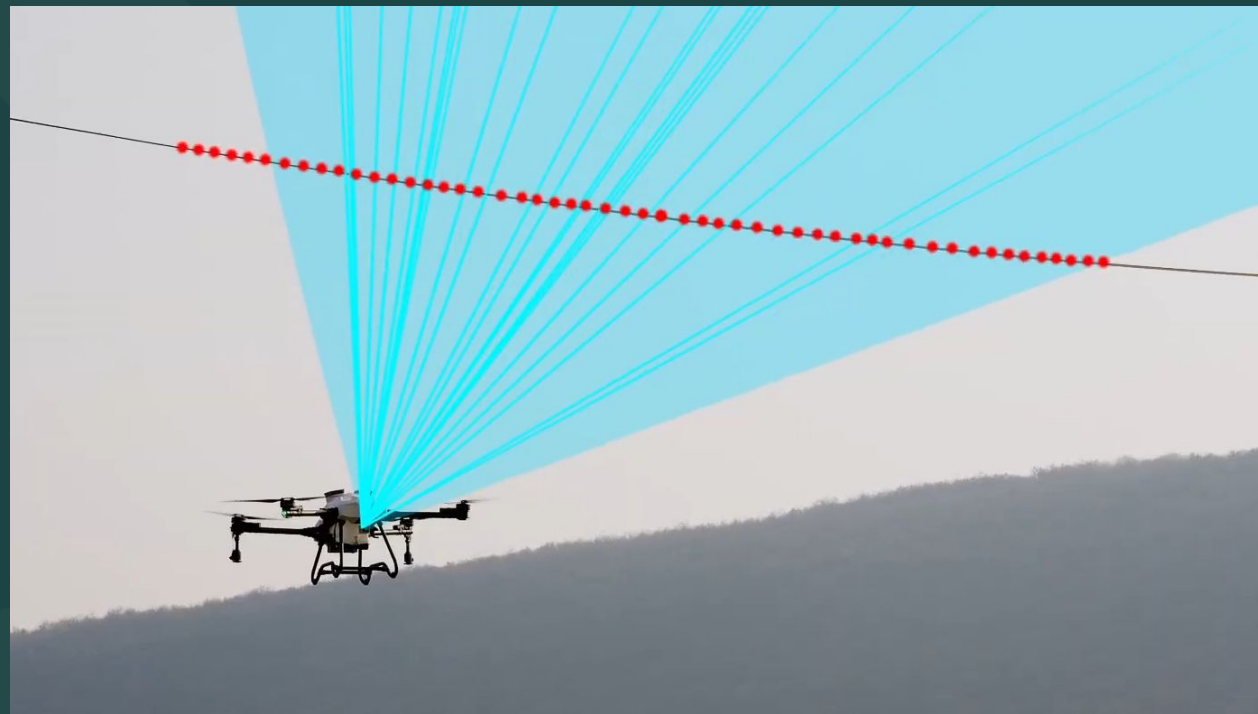
Coverage

10

l/ha

LiDAR-based system for safe navigation

- Real-time 3D representation of the environment
- Obstacle detection
- Terrain following
- Situation awareness
- Improved efficiency



Citrus in Greece

L30 V2

Tractor

2000 l/ha

2 ha/hour

8 EUR

L30 V2

200 l/ha

1,8 ha/hour

2 EUR



Vineyards in Portugal

L10 V2

Backpack sprayer

400 l/ha

0,3 ha/hour

6 EUR

3 workhour/ha

L10 V2

60 l/ha

2 ha/hour

2 EUR

0,5 workhour/ha



Sunflower in Hungary

L30 V2

Tractor

300 l/ha

25 ha/hour

15 EUR/ha

L30 V2

15 l/ha

15 ha/hour

1 EUR/ha



L30 V2: Shading



- △ Low operating costs
- △ 66% less water
- △ Hard-to-reach areas
- △ 2 hours/ha
- △ Safety
- △ Efficiency and precision
- △ 8-meter range

Greenhouse shading

L30 V2

**Pressure
painter**

L30 V2

2200 l/ha

420 l/ha

8 hour/ha

2 hour/ha

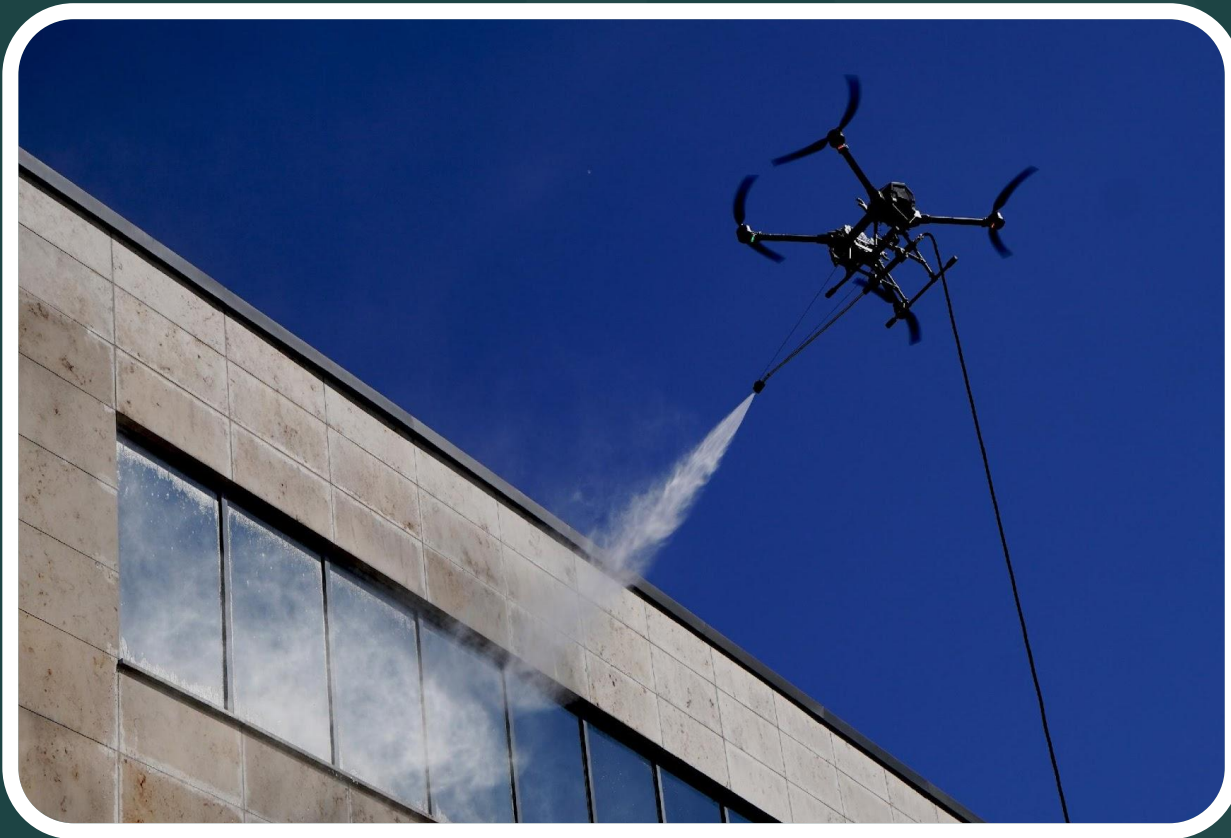
24 workhour/ha

4 workhour/ha



C-Series

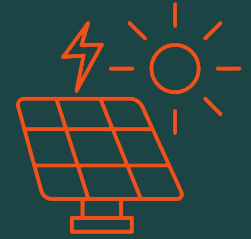
Revolutionizing industrial cleaning



Houses



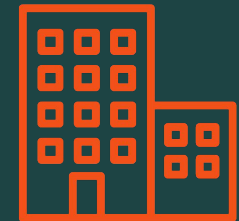
Solar parks



Industrial facilities



Office buildings





30-meter height (60 coming soon)



Radar distance sensors



Dual RTK



Optimized controlling algorithm



40mm carbon spear, TPU fastening



The whole set fits in a pick-up truck



Special settings for solar panel/facade cleaning

ABZ Innovation C10



THANK YOU!

